DATE: February 2011

R-1 ITEM NOMENCLATURE PE 0603553N: Surface ASW

	STATE OF STREET STATE OF STATE										
COST (* is Millions)			FY 2012	FY 2012	FY 2012					Cost To	
CCS (\$ III MIIIIOIIS)	FY 2010 FY 2011	FY 2011	Base	000	Total	FY 2013	FY 2014	FY 2015	FY 2016	FY 2014 FY 2015 FY 2016 Complete Total Cost	Total Cost
Total Program Element	21.420	21.673	29.797	-	29.797	0.867	1.121	1.103	1.151	1.151 Continuing Continuin	Continuing
1704: Undersea Warfare	19.827	21.673	29.797	-	29.797	0.867	1.121	1.103	1.151	1.151 Continuing Continuin	Continuing
9999: Congressional Adds	1.593		1	1		1	1	1	1	0.000	1.593

A. Mission Description and Budget Item Justification

of Naval Operations' (CNO) ASW Initiative. For FY09 and prior, efforts focused on resolution of technical issues associated with providing capability against the surface sonar and combat system applications. Program Element (PE) 0603553N has been designated to support emerging multi-static technologies, and the Chief superiority systems. These systems include distributed sensor systems; Vertical Line Array (VLA); static active buoy fields; submarine countermeasures; compact development of new and innovative technologies. Efforts associated with these technologies include design, development, integration, and testing of future undersea and technology. Key technology areas included active sonar transmissions; advanced signal and data processing; active sonar classification; towed and hull rapid-effect weapons; longer-range radio systems; multi-static sonar; Continuous Active Sonar (CAS) and Variable Depth Sonar (VDS); and multi-sensor data fusion, arrays; transducer technology; and periscope detection techniques. Starting in FY07, the CNO's ASW Initiative (formerly known as Task Force ASW) included the FY09 and beyond threat, with emphasis on shallow water/littoral areas, deep water Undersea Warfare (USW), and demonstration and validation of USW concepts The Anti-Submarine Warfare (ASW) Advanced Development project provides advanced development demonstration and validation of technology for potential project, beginning in FY10, to the development of CAS/VDS and the continuation of studies in support of the ASW Initiative. including multi-platform data fusion and net-centric USW concepts. An Office of the Chief of Naval Operations (OPNAV) letter of direction limits the scope of this

Project Unit 9999 is comprised of a Congressional Add for "Low Frequency Active Towed Sonar Organic ASW Capability" (FY10 Project 10C108).

-4.192 -0.553		-4.192 -0.553		-0.584 -0.493	 Reprogrammings SBIR/STTR Transfer Program Adjustments Section 219 Reprogramming Rate/Misc Adjustments
				Ţ	 Congressional General Reductions Congressional Directed Reductions Congressional Rescissions Congressional Adds Congressional Directed Transfers
34.542 29.797 -4.745		34.542 29.797 -4.745	21.673 21.673 -	23.497 21.420 -2.077	Previous President's Budget Current President's Budget Total Adjustments
FY 2012 Total	FY 2012 OCO	FY 2012 Base	FY 2011	FY 2010	B. Program Change Summary (\$ in Millions)

⊏
Z
ᅙ
ř
b
in
č
Ë
П
m

Page 1 of 10

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy	tification: PB	2012 Navy							DATE: February 2011	uary 2011	
APPROPRIATION/BUDGET ACTIVITY	VTV			R-1 ITEM N	R-1 ITEM NOMENCLATURE	URE		PROJECT		s	
1319: Research, Development, Test & Evaluation, Navy	t & Evaluation	1, Navy		PE 0603550	E 0603553N: Surface ASW	ASW		9999: Cong	9999: Congressional Adds	ds	
BA 4: Advanced Component Development & Prototypes (ACD&P)	opment & Pro	totypes (AC	D&P)								
COST (\$ in Millions)			FY 2012	FY 2012 FY 2012	FY 2012		!			Cost To	
	FY 2010	FY 2010 FY 2011	Base	000	Total	FY 2013	FY 2014	FY 2015	FY 2016	2013 FY 2014 FY 2015 FY 2016 Complete Total Cost	Total Cost
9999: Congressional Adds	1.593	1	-	ī	-	1	1		1	0.000	1.593
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Congressional Adds.

1	1.593	Congressional Adds Subtotals
8		FY 2010 Accomplishments: FY10 Congressional Add - Project 10C108: Low Frequency Active Sonar Organic Anti-Submarine Warfare (ASW) capability improvement development. Effort includes the design, fabrication, integration and testing of an Engineering Development Model (EDM) transmit array (variable depth sonar transducer). This supports the Navy's Continuous Active Sonar Variable Depth Sonar (CAS/VDS) advanced development project that will develop an effective and affordable, deep water, wide area active Anti-Submarine Warfare search capability for transition to the Littoral Combat Ship (LCS).
	1.593	Congressional Add: Low Frequency Active Towed Sonar Organic ASW Capability
'Y 2010 FY 2011	FY 2010	B. Accomplishments/Planned Programs (\$ in Millions)

C. Other Program Funding Summary (\$ in Millions) N A

D. Acquisition Strategy
N/A

E. Performance Metrics
Congressional Adds.

UNCLASSIFIED

Page 10 of 10

Navy

R-1 Line Item #41

Volume 2 - 286